Design D0: Gives the highest-level view of the project, identifying basic input/output to the system:

* The cloud symbolizes the thoughts/plans that an end user might have regarding the camping trip they would like to plan
* The square symbolizes the Packing Pal application
* The paper represents the list of items output by the application, which the end user may wish to pack for their upcoming trip

A white square with black text

AI-generated content may be incorrect.

Design D1: Elaborate design of several modules or subsystems given in D0:

The following diagram enumerates several components of the Packing Pal application:

* User Interface
* AI Suggestions
* Ways to export list
* Login Functionality

A diagram of a packing process

AI-generated content may be incorrect.

Design D2: A further elaboration on D1, giving the most details concerning the system:

* User Interface:
  + We will be utilizing React and Next.js for our user interface, which highlights how the application will be built
* AI Suggestions:
  + We will be using the OpenAI API to provide suggestions for the generated list of camping items
* Ways to export list:
  + We would like to support PDF, CSV, Excel file, and images as ways to export the list output
* Login Functionality:
  + We plan on including account/login functionality to be able to retain previous lists, using SQL as well as some encryption for sensitive credentials

A diagram of a packing process

AI-generated content may be incorrect.